

BARNSLEY RURAL  
SANITARY DISTRICT.

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REPORT

OF THE

MEDICAL OFFICER OF HEALTH

(M. T. SADLER, Esq., M.D.,)

FOR THE

*Year ending December 31st, 1896.*

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BARNSLEY :

J. LODGE, PRINTER, STATIONER, &c., NEW STREET PRINTING WORKS.

1897.



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GENTLEMEN,

SINCE my last Annual Report the Townships of Darfield and Royston have been taken out of the Barnsley Rural Sanitary District, of which they ceased to form part on March 31st.

It now consists of the Townships of Cudworth, Carlton, Notton, Woolley, Stainbro', and Billingley, with an area of 11,276 acres, and a population, which was 4883 in 1891, but was estimated in 1895 to be 5865; and as 94 fresh houses were occupied in 1896, may now be considered to be 6335, the increase being mainly, if not entirely, in the Township of Cudworth, in which all the 94 houses just mentioned were built

The Births registered were 226 in number, 111 males and 115 females, giving a Birth rate of 35.51 per thousand on the estimated population, which is sufficiently above the average to indicate that the estimate is not too high.

The weather of the year, so far as it may be supposed to have any bearing on health and mortality, may be described as having been moderate; as regards temperature, mild in the first and last quarters. The really hot days were mostly in June and July; and the rainfall was about an inch and a half below the average of 25 years, having been dry until June, and persistently wet from the 20th of August to the end of October, which kept the temperature of the earth down in the Autumn months, so that it only reached 56° at 4 feet below the surface, between the 18th of June and the 28th of August, preventing any serious epidemic of Diarrhoea.

There were during the year 82 Deaths, with 2 others in the Union Workhouse, amongst persons belonging to it, giving a death-rate of 13.25 per thousand.

Of the deaths, 25 or 30.48 per cent were amongst infants under the age of one year, and 38 or 46.34 per cent were amongst children under 5.

The mortality amongst infants were at the rate of 11·21 per cent of the births, a lower rate than that of the average of even Rural districts in the West Riding in 1895.

The deaths from the seven principal Zymotic Diseases during the year were 14 in number, of which 7 were from Diphtheria, 1 from Scarlet Fever, 1 from Measles, 2 from Whooping Cough, and 2 from Diarrhœa. There were no deaths from Small-Pox, Croup, or Enteric Fever. The death-rate from Zymotic Diseases was therefore 2·21 per thousand.

The deaths from Scarlet Fever and Measles, and one of those from Diarrhœa were in Cudworth. Both of those from Whooping Cough were in Carlton, and four of those from Diphtheria were in Woolley during the epidemic in December, 1895, and January, 1896, fully reported on last February. The three other deaths from Diphtheria were in Notton, Carlton, and Stainbro'.

II.—During the year Notifications were received, under the Act, of 113 cases of infectious disease in the district as now constituted, besides 32 others in Darfield and Royston during the first quarter of the year. Each case was visited in order to ascertain the sanitary condition under which it was placed; what facilities there were for isolation; and what risk there was of the disease being spread to other families. Steps were taken by formal notice or otherwise for the removal of any sanitary defects that were discovered. The teachers of the schools attended by children suffering from Scarlet Fever or Diphtheria were warned against admitting any children from the infected houses until they were no longer likely to convey the disease to others. In the case of Scarlet Fever removal to the Kendray Hospital was suggested, and pressed upon the parents where the risk of infection seemed serious, and after a proper time had elapsed the houses were disinfected.

During the year 60 houses and schools were disinfected.

Of Scarlet Fever there were 85 cases, of which 53 were in Cudworth, 35 of them in January and February, being a continuation of the outbreak mentioned in my last Annual Report, 7 were notified in July and August, whilst 10 of them were in the last quarter of the year.

In the last outbreak, the cases being of a mild character, the first notifications were not received until three weeks after the commencement of the disease, so that there had been ample opportunity for spreading the complaint before any precautions could be taken. In no case was it found possible to secure Hospital isolation, and hence probably the large number of cases.

In Carlton, where there were nine cases between May and September, we were able to get five of them isolated, and consequently the disease did not spread to any serious extent, whilst at Woolley Colliery, where only 2 out of 20 were removed to hospital, the disease lingered on from June to November.

Of Diphtheria there were 21 cases, of which 8 in Woolley and 3 in Notton formed part of the outbreak at the end of 1895, specially reported on last February, on account of which the schools were closed until March 2nd. Of the other cases one was in Railway Terrace, Carlton, the sanitary condition of which is perhaps as bad as any to be found in the district, whilst the remaining 9 were in Stainbro', one of the most rural of our townships, in which from the scattered situation of its houses a sewerage system is not applicable. Four of the cases were in January and February, and in several of them, there was evidence of the disease having been conveyed by infection. The remainder were isolated cases, in one of which there were serious sanitary defects, and the remainder were mild, and possibly not of the more serious type of the disease.

There was only 1 case notified as Enteric or Typhoid Fever, and that was at Carlton. The patient was removed to the Kendray Hospital, and was there found to have nothing more than a severe cold, from which he speedily recovered.

There were also 6 cases of Typhoid in Low Valley, Darfield forming part of the outbreak, specially reported on in my last Annual Report, and on which I need say no more now.

There was one fatal case of Puerperal Fever in Carlton, not traceable to any sanitary defect, and 5 cases of Erysipelas, mostly mild, and none of any special interest from a sanitary point of view.

There were no cases of Small-Pox, Groupp, or other notifiable diseases beyond those just mentioned.



Of diseases not under the Notification Act, Measles was reported in Cudworth in January, March, June, and November, but only in from 2 to 12 cases on each occasion.

At the end of November, at Woolley, it was found to be spreading amongst children attending the school, affecting 7 or 8 families, including that of the master, and the school was closed for a month.

Whooping Cough was prevalent in Cudworth and Carlton during January, causing two deaths of infants, but was not heard of during the rest of the year. There was no serious epidemic of Diarrhœa, and only two deaths from the disease, both in young children, and both during September.

No cases of Influenza were reported, although the disease was not unknown in neighbouring districts.

III.—Besides the enquiries into cases of infectious diseases, regular inspections have been made of the different townships, and the results reported at your monthly meetings. When sanitary defects were discovered which were not at once remedied on verbal notice being given, formal notices were served, and entered in a book provided for the purpose which was produced at your meetings, and your authority obtained to take legal proceedings in all cases where the nuisance was not abated within a reasonable time.

There were 147 notices issued during the year, and in 12 of them your authority was given to take proceedings, but in none were such proceedings actually required.

Amongst other matters not capable of being thus dealt with in April I had to draw your attention to defective water supply and sewage disposal at Victoria Terrace, Cudworth, to temporary obstruction of a main sewer in the same township, on several occasions to imperfect disposal of the sewage at the Sewage Farm at Carlton; also to defective water supply at Brick Row, Woolley Colliery; to the want of a proper outlet for sewerage at Farfield houses, Cudworth; and the insanitary condition of Railway Terrace, Carlton, in great measure due to the lack of a bye-law enabling you to insist on the provision of an impervious surface in the back-yards of houses before they are occupied.



Early in the year when a change in the water supply for Carlton was under consideration, samples of the water then in use, and of that from four other sources with which it was proposed to supplement it, or to substitute for it, were sent to the Public Analyst.

The original supply itself was found satisfactory, though somewhat hard. Of the other samples two were of very similar quality, and the two others both harder still and of less satisfactory purity.

Three samples of milk were also sent to the Analyst, of which two proved to be of good quality, and the third suspiciously poor.

Three houses were closed as unfit for human habitation, and nine cases of overcrowding have been remedied after warning or formal notice.

During the year the water mains have been extended to Victoria Terrace and certain other houses in Cudworth, and power has been taken to do the same to Stour Mill. This latter part of the work was, however, at the end of the year in abeyance, pending an arrangement with the owner of the few houses there requiring a better supply,

IV.—At the end of the year, with the exception of a few cases of Scarlet Fever in Nottora and Woolley Colliery, the district was free from any serious form of infectious disease.

The water-supply of the district is also, except at Woolley Colliery, fairly satisfactory, Cudworth and Stainbro' being supplied from the reservoir of the Barnsley Corporation with water of an excellent quality, whilst the greater part of Carlton has that from Lord Wharnccliffe's Waterworks, rather hard, but free from dangerous contamination. Billingley and Notton are supplied by local springs sufficient for their present population, and Woolley village has also water laid on in pipes from springs which seem to afford pure water in sufficient quantity.

There is also a sufficient system of sewers in each township for present requirements, though some portions may require remodelling when a complete system of sewage disposal is introduced.

At Woolley village a new system of sewers was constructed in the spring of the present year. At Stainbro' there have been some improvements in old arrangements, and at Cudworth some extensions for new houses.

Sewage disposal is in a less advanced position. For Cudworth a scheme was prepared and laid before the Local Government Board some time ago, but has since been withdrawn for amendment.

Another scheme for Carlton is under consideration, but has not yet assumed a very definite form.

No complaints of pollution of streams have been made against Stainbro' or Notton, and those against Billingley and Woolley have not assumed a very definite form.

The Scavenging and emptying of ash-pits is now done in Cudworth by a contractor employed by the Authority, a decided improvement on the old plan. In the rest of the district the work is done by the owners of property, not always satisfactorily in Carlton, but tolerably well in the other and smaller townships.

Of course the privy system can never be thoroughly satisfactory from a sanitary point of view, but a water carriage plan cannot be introduced safely until the sewerage and sewage disposal are in complete order.

None of the trades usually classed as offensive are carried on in the district, nor are there any places coming under the Factory and Workshops Acts.

I am, Gentlemen,

Yours obediently,

MICHAEL THOS. SADLER,

(*M.D., Lond.*),

MEDICAL OFFICER OF HEALTH.

BARNESLEY,

FEBRUARY 3RD, 1897.



A

TABLE OF DEATHS during the year 18  
classified according to Ages, Diseases, &

Names of Localities adopted for the purpose of these Stat- istics; public institutions being shown as separate localities.	Mortality from all causes, at subjoined ages.						
	At all Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
DARFIELD .. ..	21	7	3	1	..	4	5
ROYSTON .. ..	14	4	2	3	1	4	...

The subjoined numbers have also to be taken into

ROYSTON.							
Deaths occurring outside the district among persons belonging thereto.	2	..	..	..	1	1	..
DARFIELD.							
Deaths occurring outside the district among persons belonging thereto.	1	..	..	..	..	..	..

the BARNSELEY RURAL SANITARY DISTRICT,  
 Rates, from January 1st to March 31st.

Mortality from subjoined causes, distinguishing Deaths of  
Children under Five Years of Age.

	Scarlatina.	Membranous Croup.	Enteric or Typhoid.	Puerperal.	Measles.	Phthisis.	Bronchitis, Pneumonia, and Pleurisy.	All other Diseases.	TOTAL.
5 .. rds..	1 ..	.. ..	1 1	.. ..	2 ..	.. 2	1 3	5 5	10 11
5 .. rds..	.. ..	.. 3	.. ..	.. ..	.. ..	.. 1	1 1	5 3	6 8

judging of the above records of mortality.

[illegible]







TABLE OF POPULATION, BIRTHS,  
SICKNESS, coming to the  
the Year 1896, in the DAE  
to Diseases, Ages, and Loc

Names of Localities adopted for the pur- pose of the Statistics ; Public Institutions being shown as separ- ate localities.	Population at all ages.	Registered Births.
	Census, 1891.	
DARFIELD .. ..	3416	47
ROYSTON .. ..	2613	37

Notification of Infectious Diseases coming to  
Isolation Hospital, the Kendray Hospital

and of NEW CASES OF INFECTIOUS  
 Edge of the Medical Officer of Health, during  
 AND ROYSTON DISTRICTS, classified according  
 from January 1st to March 31st.

New cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.					Number of such Cases removed from their Homes in the several Localities for Treatment in Isolation Hospital.		
Scarlatina.	Membranous Croup.	FEVERS		Erysipelas.	Scarlatina.	FEVERS.	
		Enteric or Typhoid.				Enteric or Typhoid.	
5 .. 6	.. ..	2	1	.. ..	.. ..		
rds .. 10	.. ..	6	3	1	1		
5 .. ..	.. ..	..	..	.. ..	.. ..		
rds .. ..	.. ..	2	..	1	.. ..		

in the District since January 1st, 1890.  
 Infectious Diseases, at Ardsley.





AREA, 11,276 ACRES.

POPULATION in

A

TABLE OF DEATHS during the year  
classified according to

Names of Localities adopted for the purpose of these Statistics; public institutions being shown as separate localities.	Mortality from all causes, at subjoined ages.						
	At all Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
CUDWORTH .. ..	28	9	6	..	1	8	4
CARLTON .. ..	25	10	3	1	1	7	3
NOTTON .. ..	4	1	1	..	1	1	..
WOOLLEY .. ..	16	5	1	2	1	4	3
BILLINGLEY .. ..	..	..	..	..	..	..	..
STAINBROUGH .. ..	9	..	2	1	..	2	4
TOTALS .. ..	82	25	13	4	4	22	14

The subjoined numbers have also to be taken

Deaths occurring outside the district among persons belonging thereto.	2	..	..	..	..	..	..
Deaths occurring within the district among persons not belonging thereto.	..	..	..	..	..	..	..

Death-rates { General, 13·25 per 1000  
Infant (under one year), 13·25 per 1000



, 4,883. Estimated to middle of 1896, 6,335.

06, in the BARNSLEY RURAL SANITARY DISTRICT,  
es, Diseases, and Localities.

Mortality from subjoined causes, distinguishing Deaths of Children  
under Five Years of Age.

	Scarlatina.	Diphtheria.	Puerperal.	Measles.	Whooping Cough.	Diarrhoea and Dysentery.	Phthisis.	Bronchitis, Pneumonia, and Pleurisy.	Heart Disease.	Injuries.	All other Diseases.	TOTAL.
5 ards	1	..	..	1	..	1	..	5	..	1	6	15
ards	..	..	..	..	..	..	2	2	2	..	7	13
5 ards	..	1	..	..	2	1	..	3	..	..	6	13
ards	..	..	1	..	..	..	2	..	7	..	2	12
5 ards	..	1	..	..	..	..	..	..	..	..	1	2
ards	..	..	..	..	..	..	2	..	..	..	..	2
5 ards	..	1	..	..	..	..	1	2	..	..	2	6
ards	..	3	..	..	..	..	1	2	..	1	3	10
5 ards	..	..	..	..	..	..	..	..	..	..	..	..
ards	..	..	..	..	..	..	..	..	..	..	..	..
5 ards	..	1	..	..	..	..	..	1	..	..	..	2
ards	..	..	..	..	..	..	..	..	1	..	6	7
5 ards	1	4	..	1	2	2	1	11	..	1	15	38
ards	..	3	1	..	..	..	7	4	10	1	18	44

ount in judging of the above records of mortality.

5 ards	..	..	..	..	..	..	..	..	..	..	2	2
ards	..	..	..	..	..	..	..	..	..	..	..	..
5 ards	..	..	..	..	..	..	..	..	..	..	..	..
ards	..	..	..	..	..	..	..	..	..	..	..	..

ulation, estimated to middle of 1896.  
e), 112.1 per 1,000 Births Registered.





# B

TABLE OF POPULATION,  
SICKNESS, coming to  
the Year 1896, in the B  
to Diseases, Ages, and I

Names of Localities adopted for the pur- pose of the Statistics; Public Institutions being shown as separ- ate localities.	Population at all ages.		Registered Births.
	Census, 1891.	Estimated to middle of 1896.	
CUDWORTH ..	1607	2515	83
CARLTON .. ..	1401	1900	77
NOTTON .. ..	269	280	7
WOOLLEY .. ..	969	970	39
STAINBROUGH ..	442	450	10
BILLINGLEY ..	195	220	9
TOTALS ..	4883	6335	225

Notification of Infectious Diseases  
Isolation Hospital, the Kendray Ho

5, and of NEW CASES OF INFECTIOUS  
 Knowledge of the Medical Officer of Health, during  
 RURAL SANITARY DISTRICT ; classified according

5.

New Cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.						Number of such Cases removed from their Homes in the several Localities for Treatment in Isolation Hospital.	
Scarlatina.	Diphtheria.	FEVERS.			Scarlatina.	FEVERS.	
		Enteric or Typhoid.	Puerperal.	Erysipelas.		Enteric or Typhoid.	
.. 31	..	..	..	..	..	..	..
ds.. 22	..	..	..	..	..	..	..
.. 3	1	..	..	..	1	..	..
ds.. 6	..	1	1	3	4	1	..
.. 1	..	..	..	..	1	..	..
ds.. 1	3	..	..	1	1	..	..
.. 8	2	..	..	..	..	..	..
ds.. 12	6	..	..	..	2	..	..
.. ..	1	..	..	..	..	..	..
ds.. 1	8	..	..	1	..	..	..
.. ..	..	..	..	..	..	..	..
ds.. ..	..	..	..	..	..	..	..
.. 43	4	..	..	..	2	..	..
ds.. 42	17	1	1	5	7	1	..

in the District since January 1st, 1890.

Infectious Diseases, at Ardsley.







